



IFW

PTO/SB/21 (07-06)

Approved for use through 09/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/786,250-Conf. #2714
	Filing Date	February 25, 2004
	First Named Inventor	Richard Schubert
	Art Unit	2188
	Examiner Name	C. E. Walter
Total Number of Pages in This Submission	Attorney Docket Number	A0312.70518US00

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Response to Restriction Requirement (2 pages) Return Receipt Postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	Edmund J. Walsh		
Date	November 3, 2006	Reg. No.	32,950

Certificate of Mailing Under 37 CFR 1.8(a)	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: 11/3/06	Signature:  (Elyse B. Pino)



Docket No.: A0312.70518US00  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Richard Schubert  
Serial No.: 10/786,250  
Confirmation No.: 2714  
Filed: February 25, 2004  
For: CACHE MEMORY WITH IMPROVED REPLACEMENT POLICY  
Examiner: WALTER, Craig E.  
Art Unit: 2188

**Certificate of Mailing Under 37 CFR 1.8(a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 11/3/06

**RESPONSE TO RESTRICTION REQUIREMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Restriction Requirement dated October 3, 2006, Applicants elect Group I, with traverse.

The present application describes a data cache with a replacement policy based on priority of data stored in the cache. Thirty claims have been presented, of which only three claims are independent. All of the claims relate to an aspect of such a cache.

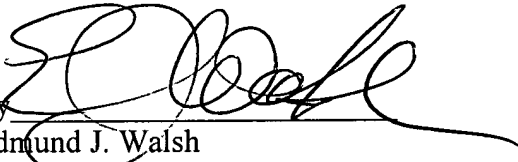
Nonetheless, the Examiner has issued a three-way restriction requirement, with Group I relating to "a method of operating a cache in a digital computer system," Group II relating to "a processor system having a cache," and Group III relating to a "processor system, comprising...at least one cache memory."

Claims in all three groups relate to the same general subject matter. Further, claims in all three groups recite a limitation involving "priority." For example, claim 1 recites: "associating the priority of the new item with the selected memory location in the cache." Claim 19 recites: "a first field, indicating a relative priority of the item stored in the associated location in the data array," and claim 26 recites "at least a second control bit for each memory location indicating a priority of information stored in the memory location."

Therefore, the claims are sufficiently related that they can and should be examined together. Applicant respectfully requests that the restriction requirement be withdrawn and all of the claims be examined on the merits.

Respectfully submitted,

Dated: November 3, 2006

  
By  
Edmund J. Walsh  
Registration No.: 32,950  
WOLF, GREENFIELD & SACKS, P.C.  
Federal Reserve Plaza  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
(617) 646-8000